D7212G Control Panel

www.boschsecurity.com

BOSCH
Invented for life

- Digital communicator with phone line monitor (loop or ground start)
- Multiple telephone numbers, primary and duplicate paths with main and alternate destinations
- All reports within each of four route groups are programmable
- Optional network interface module for two-way communication over Ethernet networks
- Automatic test and status reports

The D7212G Control Panel provides an integrated solution for Security (commercial and residential) and Fire Alarm system (residential only) applications. The control panel is capable of monitoring alarm points for intruder or fire alarms while operating user command centers and other outputs. Each control panel includes a communicator that reports events to selected PSTN or IP network destinations through four programmable route groups. Programming and accessory modules offer flexibility and beneficial features rarely found in other security control systems.
The D7212G provides eight on-board and up to 32 off-board points and 24 relays.

Notice
The D7212G Control Panel is available exclusively to Bosch Certified Security Dealers (BCSD).

Functions

Programmable Outputs
- 2 A alarm power at 12 VDC
- 1.4 A auxiliary power at 12 VDC
- Four alarm output patterns
- Automatic bell test
- Programmable bell shut-off timer
- Three on-board outputs; 24 off-board programmable outputs

The D7212G Control Panel provides up to 40 individually identified points. Each point accommodates normally open and or normally closed devices with end-of-line (EOL) resistor supervision. Each point is programmable for fire, fire supervisory, or burglary applications. Point output can be silent of audible. Audible output can be steady, pulsed, CA standard, or temporal code three.

System Response
- 31 custom point indexes, including fire supervisory
- Selectable point response time
- Cross point compatibility
- Fire alarm verification
- Watch mode
- Scheduled events (skeds) arm, disarm, bypass and unbypass points, control relays, control authority levels, control door access and more

Area Configurations
Area programming offers a wide selection of different system configurations. Each area is assigned an account number to define annunciation, control, and reporting functions. Multiple areas can be linked to a

shared area which is automatically controlled (hallway or lobby). Area arming can be conditional on other areas (master/associate).

User Interface

- Supervises up to eight command centers (up to 32 non-supervised command centers can be used)
- Custom command center text
- Four custom functions
- Full function command menu including custom functions
- Each user has authority by area and 16-character name
- 14 custom authority levels control user's authority to change, add, delete passcodes or access control cards or key fobs, disarm, bypass points, initiate system tests, and more
- Up to 64 programmable, scheduled event functions are available for controlling relays, enabling passcodes and windows, and automatically arming and disarming areas
- Adjustable brightness or volume for command center display or sounder
- One parallel printer

The D7212G provides on-premises point and system status annunciation. The fully selectable user interface customizes command center displays and allows users to create appropriate menu items and functions. Function lists can help a user become familiar with the operation of the control panel and Custom Functions allow users to perform complex functions with a few keystrokes. Each function can be programmed and identified by sixteen characters of custom text and can contain up to 32 keystrokes.

Notice
At least one command center per system is recommended.

User Passcodes
User passcodes contain three to six digits. Each user is assigned one of 14 customized authority levels in each area. Passcodes can be restricted to operate only during certain times. User names can contain up to 16 characters. The user name can be viewed, printed, reported to a central station in Modem IIIa^2 Communications format or retrieved with Remote Programming (RPS) software.

Security and Fire Detection
The D7212G Control Panel provides eight on-board points, and up to 32 additional off-board points (depending on model and expansion interfaces). Points can be individually programmed and used to monitor all types of burglar alarm, fire alarm, and supervision devices.

Communications
The D7212G has four route groups. It can sort reports by priority and transmit reports to four route groups each of which has a programmable primary and backup destination.

The D7212G is compatible with the D6600 NetCom Communications System using a DX4020 Network Interface Module. It has programmable anti-replay anti-substitution when using a DX4020.
The Modem IIIa^2 Communications Format, available with Bosch receivers, adds reporting capabilities such as:

- Individual point numbers and text
- Opening or closing reports by area number, user number, and user text
- Remote programming attempts
- Diagnostic reports

Event log storage, viewing and printing
All local and transmitted events (up to 1,000 total events) are stored in a log. The event log includes time, date and event, with area, point and user number. You can view the event log from select keypads or remotely retrieve event information using RPS. With the printer interface module installed, the D7212G Control Panel allows the use of one on-site parallel printer. The event log and a local printer can provide a record of openings and closings without extra communications costs. RPS operators can retrieve events periodically using one phone call, rather than receiving several calls each day. When the panel's event log reaches its programmed threshold of stored events, it can send a report to a receiver.

Scheduled Events (Skeds)
The D7212G Control Panel's internal clock and calendar operate individually scheduled events (skeds). Skeds perform specific functions such as arm and disarm, relay control, or point bypassing.

- 40 scheduled events with up to 26 different functions
- 16 open or closing windows
- Eight user windows
- Day-of-week, date-of-year, or holiday only schedules
- Four holiday schedules of 366 days each (leap year)

Fire Test
When a user activates Fire Test Mode, the control panel suppresses all reports to the central station. Use a passcode at the keypad to activate Fire Test Mode. The keypad and annunciator show all testing data. An automatic sensor reset feature saves time; you do not need to reset the sensors manually. At the end of test, the keypad shows the number of untested points.

Programming, Diagnostics and Controls
Users can program all system functions on-site via a D5200 Programmer, or remotely through RPS. A programmable system passcode prevents unauthorized remote programming.
The panels accommodate up to four separate telephone numbers for primary, alternate and backup receivers for automatic test reports.
When resetting alarms, arming or disarming a combination fire and burglary and/or access control system, the user is identified by name and number.

Certifications and approvals

Region	Certification	
USA	UL	AMCX: Central Station Alarm Units (UL1610, UL1635), AOTX: Local Alarm Units (UL464, UL609), APAW: Police Station Alarm Units (UL365, UL464), APOU: Proprietary Alarm Units (UL1076), NBSX: Household Burglar Alarm System Units (UL1023), UTOU: Control Units and Accessories - Household System Type (UL985)
	CSFM	7167-1615:0100 CONTROL UNIT (HOUSEHOLD)
	FCC	AJ9-MUL-46532-AL-E
Brazil	ANATEL	0049-03-1855

Installation/configuration notes

Compatible Products

Keypads

D1260 Series Keypads (D1260, D1260W, D1260R, D1260BLK, D1260B)

D720 Series Keypads (D720, D720W, D720R, D720B)

D1255 Series Keypads (D1255, D1255W, D1255R, D1255B)

D1256 and D1256RB Fire Keypads

D1257 and D1257RB Remote Fire Alarm Annunciators

D279A Independent Zone Control

Detectors

MX250 Series Smoke Detectors

MX775i Addressable PIR Detector

MX794i Long Range Multiplex PIR Detector

MX934i Addressable PIR Detector

MX938i Addressable PIR Detector

ZX776Z PIR Detector

ZX794Z Long Range PIR Detector

ZX835 TriTech Microwave/PIR Detector

ZX935Z PIR Detector

ZX938Z PIR Detector

ZX970 PIR/Microwave Detector

Bosch conventional detectors include Blue Line, seismic, PIR, TriTech PIR Microwave, photoelectric, heat, and smoke.

Enclosures

D8103 Universal Enclosure

Magnetic Contacts

Bosch magnetic contacts include recessed, terminal connection, miniature, overhead door, and surface mount.

Bells

D440 Bell 12 V, 15 cm (6 in.)

D441 Bell 24 V, 15 cm (6 in.)

MB-G10-12-R Bell 12 V, 25.4 cm (10 in.)

MB-G10-24-R Bell 24 V, 25.4 cm (10 in.)

Modules

C900V2 Dialer Capture Module

D125B Dual Class B Initiating Module

D127 Reversing Relay Module

D129 Class A Initiating Module

D130 Auxiliary Relay Module

D185 Reverse Polarity Signaling Module

D192C Notification Appliance Circuit Module

D192G Notification Appliance Circuit Module

D5060 MUX Programmer

D8125 POPEX Point Expander

D8128D OctoPOPIT Eight Point Expander

D8125MUX Point Expander

D8129 Octo-relay Module

D9127 Series POPIT Modules

D9131A Parallel Printer Interface Module

DS7432 Eight-input Remote Module

DS7457i Series Single Zone Multiplex Input Modules

DS7460i Two-input Module

DS7461i Single-input Multiplex Module

DS7465i Input and Output Module

DX4010i RS-232 Serial Interface Module

DX4020 Network Interface Module

Peripheral Hardware

rvm4c Remote Video Module

Communications Formats

Modem IIIa^2

BFSK

Programming

D5200 Series Programmers

RPS and RPS-Lite Remote Programming Software

SAFECOM Radio Communicators	SC2104 Series Slave Communicators
	SC3100 Series Data Transfer Radio Communicators
	SC4000 Series Full Data Transfer Radio Communicator
Wireless Products	D8125INV Wireless Interface
	FA113 Keychain Remote Control
	FA116 Executive Programmer
	FA202 Wireless Smoke Detector and Transmitter
	FA203S Necklace Pendant Transmitter (Single-button)
	FA203D Necklace Pendant Transmitter (Double-button)
	FA204 Necklace Pendant Transmitter
	FA205S Belt Clip/Loop Transmitter (Single-button)
	FA205D Belt Clip/Loop Transmitter (Double-button)
	FA206DS PIR Transmitter
	FA206i PIR Transmitter
	FA207 Glass Break Detector
	FA209 Billtrap Transmitter
	FA210 Universal Transmitter (Off-white)
	FA210W Universal Wide Gap Transmitter with Internal Reed Switch (Off-white)
	FA216L Low Temperature Transmitter
	FA216H High Temperature Transmitter
	FA223S Water-resistant Pendant (White Single-button)
	FA223D Water-resistant Pendant (Black Double-button)
	FA250 High-power Universal Transmitter
	FA400 Remote Receiver
	FA404R Transmitter Receiver
	FA416R Transmitter Receiver
	FA570 High Power Indoor Repeater
	FA575 High Power Indoor/Outdoor Repeater

Parts included

D7212G Components	Quantity
D7212G Board	1
Mounting Skirt	1
Faceplate with D7212G Label	1

Technical specifications

Communications

SDI Bus A (+):	9 VDC 4572 m (15,000 ft)
SDI Bus B (-):	9 VDC 4572 m (15,000 ft)
Telephone Connection:	RJ31X or RJ38X

Environmental Considerations

Relative Humidity:	5% to 85% at +30°C (+86°F), non-condensing
Temperature (Operating):	0°C to +50°C (+32°F to +122°F)

Number of...

Areas:	4
Custom Functions:	4
Events:	Store up to 1,000
Hardware Addresses:	40
Parallel Printers:	1
Passcode Users:	99, plus 1 service passcode
Points:	40 (eight on-board, up to 32 off-board)
Programmable Relay Outputs:	27
RF Points:	32

Power Requirements

Current Draw (Minimum):	200 mA
Current Draw (Maximum):	500 mA
Output (Alarm):	2 A at 12 VDC
Output (Auxiliary, Continuous Power, and Switched Auxiliary combined):	1.4 A at 10.2 VDC to 13.9 VDC
Voltage (Operating):	12 VDC

Voltage (AC):	16.5 VAC 40 VA plug-in transformer (D1640)
Voltage (DC):	• Up to two 12 VDC, 7 Ah sealed lead acid rechargeable batteries • Up to two 12 VDC, 18 Ah sealed lead acid rechargeable batteries

Notice
The D7212G Control Panel is available exclusively to Bosch Certified Security Dealers (BCSD).

D7212G Kit Ordering Information

	Kits				
Components	**D7212GK1**	**D7212GK1W**	**D7212GK2**	**D7212GK3**	**D7212GK3W**
D7212G Board	1	1	1	1	1
D1640 Transformer	1	1	1	1	1
D8103 Enclosure with D101 Lock and Key Set	1	1	1	1	1
D1255 Keypad	1			1	
D1255W Keypad (White)		1			1
D1260 Keypad			1		
DS835i PIR Detector	2	2	2		
D8125 Addressable Expansion Module				1	1
D9127U POPIT Module without Tamper				10	10

	Kits			
Components	**D7212GK4**	**D7212GK5-DX4020**	**D7212GK5WDX4020**	**D7212GK6-DX4020**
D7212G Board	1	1	1	1
D1640 Transformer	1	1	1	1
D8103 Enclosure with D101 Lock and Key Set	1	1	1	1
D1255 Keypad		1		
D1255W Keypad (White)			1	
D1260 Keypad	1			1
D8125 Addressable Expansion Module	1			
D9127U POPIT Module without Tamper	10			
DX4020 Network Interface Module		1	1	1

Ordering information

D7212G Control Panel
Includes one printed circuit board (PCB).
Order number **D7212G**

D7212G Kit with Keypad and PIR Detectors (2)
Includes one PCB, one D1255 Keypad, and two DS835i PIR Detectors.
Order number **D7212GK1**

D7212G Kit with Keypad and PIR Detectors (2)
Includes one PCB, one D1255W Keypad, and two DS835i PIR Detectors.
Order number **D7212GK1W**

D7212G Kit with Keypad and PIR Detectors (2)
Includes one PCB, one D1260 Keypad, and two DS835i PIR Detectors.
Order number **D7212GK2**

D7212G Kit with Keypad and Expansion Module
Includes one PCB, one D1255 Keypad, one D8125 Expansion Module, and ten D9127U POPIT Modules.
Order number **D7212GK3**

D7212G Kit with Keypad and Expansion Module
Includes one PCB, one D1255W Keypad, one D8125 Expansion Module, and ten D9127U POPIT Modules.
Order number **D7212GK3W**

D7212G Kit with Keypad and Expansion Module
Includes one PCB, one D1260 Keypad, one D8125 Expansion Module, and ten D9127U POPIT Modules.
Order number **D7212GK4**

D7212G Kit with Keypad and Network Interface Module
Includes one PCB, one D1255 Keypad, and one DX4020 Network Interface Module.
Order number **D7212GK5-DX4020**

D7212G Kit with Keypad and Network Interface Module
Includes one PCB, one D1255W Keypad, and one DX4020 Network Interface Module.
Order number **D7212GK5WDX4020**

D7212G Kit with Keypad and Network Interface Module
Includes one PCB, one D1260 Keypad, and one DX4020 Network Interface Module.
Order number **D7212GK6-DX4020**

Accessories

ICP-EZTS Dual Tamper Switch
Combination tamper switch with a wire loop for additional tamper outputs.
Order number **ICP-EZTS**

D101 Lock and Key Set
Short-body lock set with one key supplied. Uses the D102 (#1358) replacement key.
Order number **D101**

D122 Dual Battery Harness
Harness with circuit breaker. Connects two batteries to a compatible control panel.
Order number **D122**

D122L Dual Battery Harness with Long Leads
Color-coded harness with circuit breaker and leads measuring 89 cm (35 in.). Connects 12 V batteries to compatible control panels.
Order number **D122L**

D126 Standby Battery (12 V, 7 Ah)
Sealed lead-acid standby and auxiliary rechargeable power supply.
Order number **D126**

D137 Mounting Bracket
Used to mount accessory modules in D8103, D8108A, and D8109 enclosures.
Order number **D137**

D138 Mounting Bracket, Right Angle
Used to mount accessory modules in D8103, D8108A, and D8109 enclosures.
Order number **D138**

D1218 Battery (12 V, 18 Ah)
A 12 V sealed lead-acid battery for standby and auxiliary power with two bolt-fastened terminals. Includes hardware for attaching battery leads or spade connectors
Order number **D1218**

D1224 Battery (12 V, 26-28 Ah)
A 12 V sealed lead-acid battery for standby and auxiliary power with two bolt-fastened terminals. Includes hardware for attaching battery leads or spade connectors.
Order number **D1224**

D1238 Battery (12 V, 38 Ah)
A 12 V sealed lead-acid battery for standby and auxiliary power with two bolt-fastened terminals. Includes hardware for attaching battery leads or spade connectors.
Order number **D1238**

D1640 Transformer
System transformer rated at 16.5 VAC, 40 VA.
Order number **D1640**

D8103 Enclosure
Grey steel enclosure measuring 41 cm x 41 cm x 9 cm (16 in. x 16 in. x 3.5 in.).
Order number **D8103**

D8108A Attack Resistant Enclosure
Grey steel enclosure measuring 41 cm x 41 cm x 9 cm (16 in. x 16 in. x 3.5 in.). UL Listed. Includes lock and key set. Requires the D2402 Mounting Plate.
Order number **D8108A**

D9002-5 Mounting Skirt
Mounts inside D8103, D8108A, and D8109 enclosures. Can accept up to six standard 7.62 cm x 12.7 cm (3 in. x 5 in.) cards.
Order number **D9002-5**

D136 Plug-In Relay
Maximum rating is 1 A at 24 VDC or 2 A at 12 VDC. Available individually (D136) or in a package of 25 (D136-25).
Order number **D136**

Software Options

RPS Kit (LPT)
Account management and control panel-programming software with LPT connection.
Order number **D5500C-LPT**

RPS Kit (USB)
Account management and control panel programming software with USB security key (dongle).
Order number **D5500C-USB**

Represented by:

Americas:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:
Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:
Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com

© Bosch Security Systems 2013 | Data subject to change without notice
2496424587 | en, V1, 01. Oct 2013